HATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer, Dasarahalli Division
Negotiation Schedule B

ME OF THE WORK: Providing and Sinking of Borewells pump Motor and Electrical Lines in ward no 14 Bagalagunte

Sl. No	Description of work	Unit	Qty	Rate Quoted by the Contractor SriK.Madava Reddy	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc. complete as per the direction of Engineer-in-charge of the work.	Each	4.00		
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified., complete as per the direction of Engineer-in-charge of the work. 0.00 to 50.00 mtrs	Mtr	200		
3	50.00 to 100.00	Mtr	200		
4	100.00 to 150.00	Mtr	200		
5	150.00 to 200.00	Mtr	200		

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6	200.00 to 250.00	Mtr	200		
7	250.00 to 300.00	Mtr	200		
8	300.00 to 350.00	Mtr	200		
9	350.00 to 365	Mtr	48.00		
10	Supply of ISI Mark 175mm Nominal bore ,plain end steel **Casing pipe**- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. complete as per the direction of Engineer-in-charge of the work.	Mtr	130		
11	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction complete as per the direction of Engineer-in-charge of the work.	Each	72.00		
12	Providing 175 mm dia **MS Collar complete as per the direction of Engineer-in-charge of the work.**	Each	104.00		
13	Providing 175 mm dia **MS Cap complete as per the direction of Engineer-in-charge of the work.**	Each	4.00		
14	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20**HP 40 stage Texmo/Taro or equalents Brands complete as per the direction of Engineer-in-charge of the work.**	No	4.00		

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	iding and fixing of 50mm G.I pipe 'B' class heavy for erection of submersible pumpset galvanised 50mm supply ad delivary of cause heavy duty as r IS/239/1990 complete as per the direction of ngineer-in-charge of the work.	Mtrs	1040		
5	Supplying and Drawing 3 core Flat PVC Shalted **Submersible Pump Cable** Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts complete as per the direction of Engineer-in-charge of the work.	Mtrs	1650		
17	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear description, 9Providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq cm complete as per the direction of Engineer-in-charge of the work.	Sqm	66000.00		
	Providing & Fixing of Clamps set and Borewell cap to the pump (MR) complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Supplying and fixing 50mm **Non Return Vavle** of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation complete as per the direction of Engineer-in-charge of the work.	NO	3.00		
	Supplying and fixing 50mm **GM Gate Vavle** complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		

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	Providing & Fixing of 50mm GI Short bend to motor complete as per the direction of Engineer-in-charge of the work.	Nos			
	Supplying and fixing 50mm **GI Union** complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Supplying and fixing 50mm **GI Elbow** complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,	each	150.00		
	Erection of combined **panel board** and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable (Confirming to IS 1554) complete as per the direction of Engineer-in-charge of the work.	Mtr	135.00		
	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete complete as per the direction of Engineer-in-charge of the work.	Mtrs	135.00		
	Supplying and fixing class A GI pipe on pole/Wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm complete as per the direction of Engineer-in-charge of the work.	Mtrs	9.00		
	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia complete as per the direction of Engineer-in-charge of work.	No's	3.00		

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	...y and fixing LT cast iron pot heads suitable for ...V class 16 sqmm UG cable filled with neccesary ...ken / insulating compound complete with ...rminalas, clamps, bolts, nuts, washers etc., complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Supplying Shunt capacitor's comfirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating Nos complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Providing & Fixing Gun Metal Gate wheel valve confirming to IS Specifivation of approved make as per direction including all lead and lift etc., complete 50mm dia complete as per the direction of Engineer-in-charge of the work.	Nos	9.00		
	Supplying and fixing of polished wood board made up not less than 15mm thick plank in both side with plank made out on not more than 2 piecess and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20x20x2.5 inches complete as per the direction of Engineer-in-charge of the work.	Nos	3.00		
	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum	230.85		
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc. complete as per the direction of Engineer-in-charge of the work.	Rmt	513.00		
	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item complete as per the direction of Engineer-in-charge of the work.	Cum	256.50		

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